

IN THE CLAIMS:

The claims are amended as follows:

1. (Currently Amended) A method to realize synchronization of data (DAT) sent from a ~~transmitter~~ transmitting entity (TX) to a ~~receiver~~ receiving entity (RX), with a signal (SIG) available in said ~~receiver~~ receiving entity (RX), characterized in that said method includes the steps of:

in said ~~receiver~~ receiving entity (RX) generating said signal available in said ~~receiver~~ receiving entity in accordance with a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said ~~receiver~~ receiving entity is not a signal with a constant frequency;

in said ~~receiver~~ receiving entity (RX) generating a trigger signal (T) from said signal (SIG) available in said ~~receiver~~ receiving entity;

sending said trigger signal (T) from said ~~receiver~~ receiving entity (RX) to said ~~transmitter~~ transmitting entity (TX) to indicate that the ~~transmitter~~ transmitting entity is allowed to send said data (DAT); and

upon receipt of said trigger signal (T) by said ~~transmitter~~ transmitting entity (TX) sending said data (DAT) from said ~~transmitter~~ transmitting entity (TX) to said ~~receiver~~ receiving entity (RX) wherein said data (DAT) is for receipt in said ~~receiver~~ receiving entity synchronized with said signal (SIG) available in said ~~receiver~~ receiving entity.

2. (Previously Amended) The method according to claim 1, characterized in that said data (DAT) is asynchronous data.

3. (Currently Amended) The method according to claim 1, characterized in that in the event that no data is available in said ~~transmitter~~ transmitting entity (TX) to be sent upon receipt of said trigger signal, said method further includes the step of sending idle data from said ~~transmitter~~ transmitting entity (TX) to said ~~receiver~~ receiving entity (RX).

4. (Currently Amended) A ~~receiver~~ receiving entity (RX) for receiving from a ~~transmitter~~ transmitting entity (TX) data (DAT), said data (DAT) synchronous with a signal (SIG) available in said ~~receiver~~ receiving entity (RX), characterized in that said ~~receiver~~ receiving entity (RX) includes:

a trigger generator (T-GEN) to generate a trigger signal (T) from said signal (SIG) available in said ~~receiver~~ receiving entity wherein said signal available in said ~~receiver~~ receiving entity is indicative of a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said ~~receiver~~ receiving entity is not a signal with a constant frequency;

a trigger sender (T-SEND) to send said trigger signal (T) from said ~~receiver~~ receiving entity (RX) to said ~~transmitter~~ transmitting entity (TX); and

a data ~~receiver~~ receiving entity (DAT-RX) to receive said data (DAT) sent by said ~~transmitter~~ transmitting entity (TX) to said ~~receiver~~ receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said ~~receiver~~ receiving entity synchronized with said signal (SIG) available in said ~~receiver~~ receiving entity.

5. (Currently Amended) The ~~receiver~~ receiving entity (RX) according to claim 4, characterized in that said ~~receiver~~

receiving entity (RX) is included in an asymmetric digital subscriber line modem.

6. (Currently Amended) A ~~transmitter~~ transmitting entity (TX) for transmitting data (DAT) to a ~~receiver~~ receiving entity (RX), said data (DAT) synchronous with a signal (SIG) available in said ~~receiver~~ receiving entity (RX), characterized in that said ~~transmitter~~ transmitting entity (TX) includes:

a trigger ~~receiver~~ receiving entity (T-RX) to receive a trigger signal (T) generated by said ~~receiver~~ receiving entity (RX) from said signal (SIG) available in said ~~receiver~~ receiving entity and sent from said ~~receiver~~ receiving entity (RX) to said ~~transmitter~~ transmitting entity (TX) wherein said signal available in said ~~receiver~~ receiving entity is indicative of a time moment when data fits into an available time frame in a predetermined place, wherein said signal available in said ~~receiver~~ receiving entity is not a signal with a constant frequency; and

a data ~~sender~~ sending entity (DAT-SEND) to send data (DAT) from said ~~transmitter~~ transmitting entity (TX) to said ~~receiver~~ receiving entity (RX) upon receipt of said trigger signal (T) wherein said data (DAT) is for receipt in said ~~receiver~~ receiving entity already synchronized with said signal (SIG) available in said ~~receiver~~ receiving entity.

7. (Currently Amended) The ~~transmitter~~ transmitting entity (TX) according to claim 6, characterized in that said ~~transmitter~~ transmitting entity (TX) includes ~~means~~ an entity to send said data (DAT) in an asynchronous way.

8. (Currently Amended) The ~~transmitter~~ transmitting entity (TX) according to claim 6, characterized in that said ~~transmitter~~

~~transmitter~~ transmitting entity (TX) includes an idle data generator (ID-GEN) to generate idle data and to send said idle data from said ~~transmitter~~ transmitting entity (TX) to said ~~receiver~~ receiving entity (RX) in the event that no data (DAT) is available in said ~~transmitter~~ transmitting entity (TX) upon receipt of said trigger signal (T).

9. (Currently Amended) The method of claim 1, wherein said ~~transmitter~~ transmitting entity is an asynchronous transfer mode (ATM) data stream.

10. (Currently Amended) The method of claim 1, wherein said ~~receiver~~ receiving entity comprises frames of a digital subscriber line data stream.

11. (Currently Amended) The method of claim 1, wherein upon receipt of said trigger signal (T), said ~~transmitter~~ transmitting entity (TX) sends said data immediately or after a predetermined period.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) ~~Reeeiver~~ Receiving entity (RX)
comprising:

~~means~~ a sending entity for sending an asynchronous trigger signal (T) from said ~~receiver~~ receiving entity (RX) to a ~~transmitter~~ transmitting entity (TX) to indicate a moment when data from said ~~transmitter~~ transmitting entity is needed;

~~means~~ receiving entity for receiving (DAT-RZRX) a data signal (DAT) with said data from said ~~transmitter~~ transmitting entity, at said moment when data from said ~~transmitter~~ transmitting entity is needed;

~~trigger generating means~~ generating entity (T-GEN), responsive to a signal (SIG) available in said ~~receiver~~ receiving

~~entity~~ but not having a constant frequency, for providing said asynchronous trigger signal; and

trigger sending ~~means~~ ~~entity~~, responsive to said asynchronous trigger signal, for said sending said asynchronous trigger signal to said ~~transmitter~~ ~~transmitting entity~~.

29. (Currently Amended) The receiver of claim 28, wherein said data signal is synchronized with said signal available in said ~~receiver~~ ~~receiving entity~~.

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) ~~Transmitter~~ ~~Transmitting entity~~ (TX), comprising:

~~means~~ ~~trigger receiving entity~~ (T-RX) for receiving ~~(T-RX)~~ an asynchronous trigger signal (T) from a ~~receiver~~ ~~data receiving entity~~ (RX) indicating a moment when data from said ~~transmitter~~ ~~transmitting entity~~ (TX) is needed;

~~means~~ ~~data sending entity~~ (DAT-SEND) for providing ~~(DAT-SEND)~~ a data signal (DAT) with said data from said ~~transmitter~~ ~~transmitting entity~~ (TX) at said moment when data from said ~~transmitter~~ ~~transmitting entity~~ is needed;

~~means~~ buffering entity (BUF) for buffering ~~(BUF)~~ said data until said asynchronous trigger signal is received by said ~~means for receiving~~ trigger receiving entity (T-RX); and

idle data generating entity (ID-GEN) ~~means~~ for providing idle data for sending said idle data to said ~~receiver~~ receiving entity (RX) in case no data is available in said ~~transmitter~~ transmitting entity upon receipt of said trigger signal.

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Currently Amended) Method to synchronize reception of data (DAT) sent from an asynchronous transfer mode ~~transmitter~~ transmitting entity (TX) to an asymmetric digital subscriber line framer (RX), with a signal (SIG) indicating to said asymmetric digital subscriber line framer (RX) ~~the~~ time moments when said data fits into a predetermined place in asymmetric digital subscriber line frames, said method including the steps of:

generating trigger signals (T) indicating that said asynchronous transfer mode ~~transmitter~~ transmitting entity (TX) is permitted to send said data;

sending said trigger signals (T) from said asymmetric digital subscriber line framer (RX) to said asynchronous transfer mode ~~transmitter~~ transmitting entity (TX);

upon receipt of said trigger signals (T) by said asynchronous transfer mode ~~transmitter~~ transmitting entity (TX) sending said data (DAT) from said asynchronous transfer mode

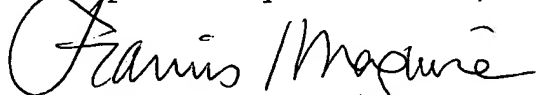
~~transmitter~~ ~~transmitting entity~~ (TX) to said asymmetric digital subscriber line framer (RX).

40. (Currently Amended) The method according to claim 39, characterized in that said method further comprises in the event that no data is available in said asynchronous transfer mode ~~transmitter~~ ~~transmitting entity~~ (TX) to be sent upon receipt of said trigger signals, sending idle data from said asynchronous transfer mode ~~transmitter~~ ~~transmitting entity~~ (TX) to said asymmetric digital subscriber line framer (RX).

REMARKS

This amendment is made for the purpose of changing for example the word "receiver" to "receiving entity" and the word "transmitter" to "transmitting entity" and to submit an Information Disclosure Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Francis J. Maguire". The signature is fluid and cursive, with the first name "Francis" and last name "Maguire" clearly distinguishable.

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